

The listing of claims will replace all prior versions, and listing, of claims in the application:

**LISTING OF CLAIMS**

Claims 1-23. (Canceled)

Claim 24. (Currently Amended) A method for producing an article of sheet material with temperature regulation means, the method comprising the steps of:

providing a die having a generally flat surface with a rib upstanding from the surface;

the rib winding lengthwise and widthwise of the die surface with a plurality of generally 180° turns therein;

ends of the rib being coincident with an edge of the die and being proximate to each other;

providing ~~a flexible sheet of breathable polymer material~~ a breathable urethane foam sufficiently flexible to serve as a footwear insole material;

applying the die surface and rib to the sheet under pressure and sufficient temperature to cause the rib to form a groove in the sheet;

fixing a tube in the groove, the tube comprising a heat-conducting polymer and  
having an inlet and an outlet, and  
the tube being wholly contained in the groove and extending from one end of the  
groove to another end of the groove;  
attaching a liquid reservoir to the article and to remote ends of the tube inlet and  
outlet;  
applying ~~temperature-influencing means~~ a thermoelectric cooler/heating unit to  
the reservoir; and  
providing ~~temperature-conditioned means~~ liquid or water to the reservoir,  
whereby the ~~temperature-conditioned means~~ liquid or water is furnished  
from the reservoir through the tube to provide a selected temperature to  
the sheet, and furnished back to the reservoir for a further cycle; and  
wherein the die is heated to about 400°F and is applied under pressure of about  
500 p.s.i.

Claim 25. (Original) The method in accordance with claim 24 wherein the die is of  
aluminum.

Claim 26. (Original) The method in accordance with claim 25 wherein the sheet is of  
methane foam.

Claim 27 -30. (Canceled)